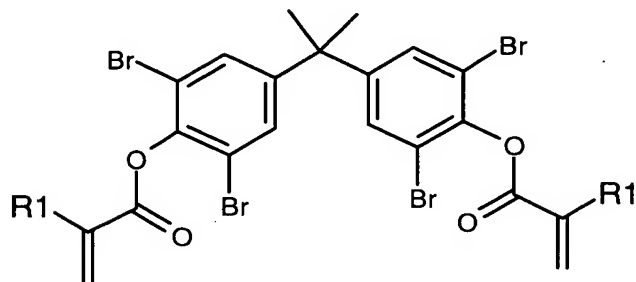


What is claimed is:

1. A brightness enhancing film comprising the reaction product of a polymerizable composition consisting essentially of:
 - a) a first monomer comprising a major portion of 2-propenoic acid, (1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy(2-hydroxy-3,1-propanediyl)] ester;
 - b) pentaerythritol tri(meth)acrylate;
 - c) phenoxyethyl (meth)acrylate; and
 - d) optionally a photoinitiator.
2. The brightness enhancing film of claim 1 wherein the first monomer is present in the polymerizable composition in an amount of at least 40 wt-%.
3. The brightness enhancing film of claim 1 wherein the first monomer is present in the polymerizable composition in an amount of at least 50 wt-%.
4. The brightness enhancing film of claim 1 wherein the first monomer is present in the polymerizable composition in an amount of at least about 60 wt-%.
5. The brightness enhancing film of claim 1 wherein the pentaerythritol tri(meth)acrylate is present in the polymerizable composition in an amount ranging from about 5 wt-% to about 30 wt-%.
6. The brightness enhancing film of claim 1 wherein the phenoxyethyl (meth)acrylate is present in the polymerizable composition in an up to about 35 wt-%.
7. A brightness enhancing film comprising the reaction product of a polymerizable composition consisting essentially of:
 - a) a first monomer selected from

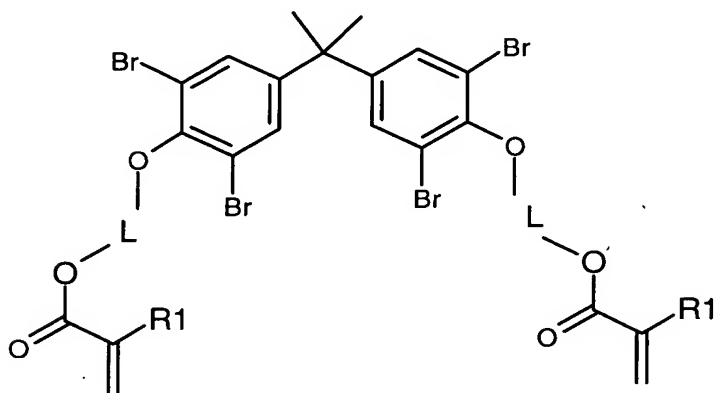
i) a monomer comprising a major portion having the structure



wherein R1 is independently hydrogen or methyl; and

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ii) a monomer comprising a major portion having the structure



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wherein R1 is independently hydrogen or methyl, and

L is a linking group independently selected from the group consisting of

linear C₂-C₁₂ alkyl groups,

branched C₂-C₁₂ alkyl groups and

-CH₂CH(OH)CH₂-;

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and mixtures thereof; and

b) a crosslinking agent comprising at least three (meth)acrylate functional groups;

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c) at least one monofunctional (meth)acrylate diluent; and

d) optionally a photoinitiator.

8. The brightness enhancing film of claim 7 wherein the crosslinking agent is a liquid at ambient temperature.

9. The brightness enhancing film of claim 8 wherein the crosslinking agent is selected from the group consisting pentaerythritol tri(meth)acrylate, pentaerythritol tetra(meth)acrylate, trimethylolpropane tri(meth)acrylate, and mixtures thereof.

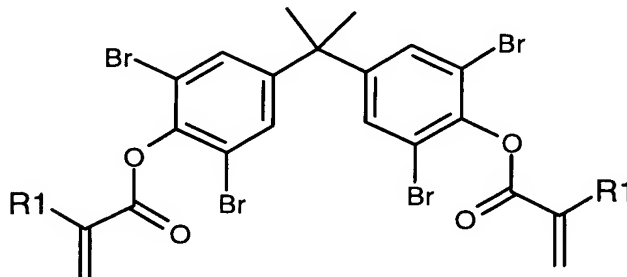
10. The brightness enhancing film of claim 7 wherein the monofunctional (meth) acrylate diluent is a liquid at ambient temperature.

11. The brightness enhancing film of claim 10 wherein the monofunctional (meth)acrylate diluent comprises phenoxyethyl (meth)acrylate, benzyl (meth)acrylate, and mixtures thereof.

12. The brightness enhancing film of claim 7 wherein the first monomer is free of methacrylate functional groups.

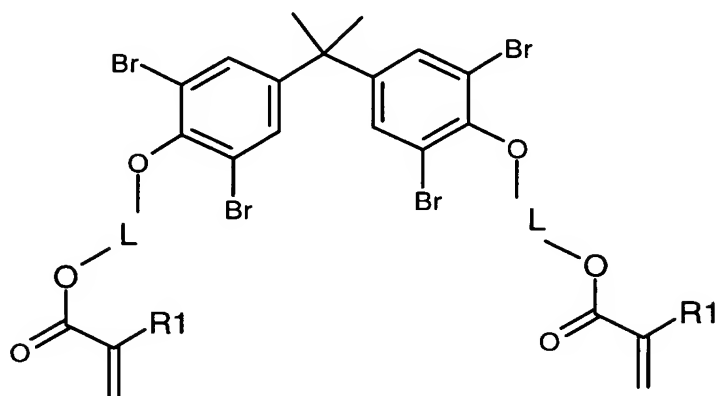
13. A brightness enhancing film comprising the reaction product of
a) at least 50 wt-% of one or more first monomers selected from the group consisting of:

i) a monomer comprising a major portion having the structure



wherein R1 is independently hydrogen or methyl; and

ii) a monomer comprising a major portion having the structure



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wherein R1 is independently hydrogen or methyl, and

L is a linking group independently selected from

linear C₂-C₁₂ alkyl groups,

branched C₂-C₁₂ alkyl groups, and

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-CH₂CH(OH)CH₂-;

and mixtures thereof; and

b) a crosslinking agent comprising at least three (meth)acrylate functional groups.

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14. The brightness enhancing film of claim 13 wherein the first monomer consists of the reaction product of Tetrabromobisphenol A diglycidyl ether and (meth) acrylic acid.

15. The brightness enhancing film of claim 13 wherein the crosslinking agent is a liquid at ambient temperature.

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16. The brightness enhancing film of claim 15 wherein the crosslinking agent is selected from the group consisting pentaerythritol tri(meth)acrylate, pentaerythritol tetra(meth)acrylate, trimethylolpropane tri(meth) acrylate, and mixtures thereof.

17. The brightness enhancing film of claim 13 further comprising at least one monofunctional (meth)acrylate diluent.

18. The brightness enhancing film of claim 17 wherein the diluent is a liquid at room temperature.

19. The brightness enhancing film of claim 18 wherein the monofunctional (meth)acrylate diluent comprises phenoxyethyl (meth)acrylate, benzyl (meth)acrylate, and mixtures thereof.

20. The brightness enhancing film of claim 18 wherein the polymerizable composition is free of methacrylate functional monomer.

21. An article comprising the brightness enhancing film of claim 13 and a second optical film in contact with the brightness enhancing film.

22. The article of claim 21 wherein the second optical film is a diffuser.

23. The article of claim 21 wherein the second optical film is an absorbing polarizer.

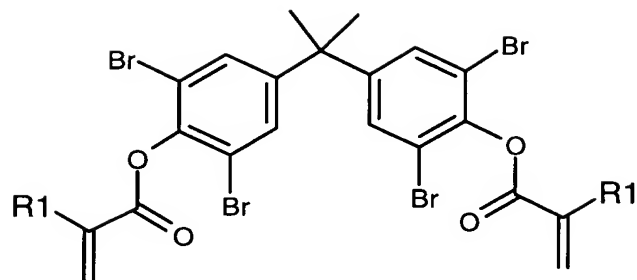
24. The article of claim 21 wherein the second optical film is a reflective polarizer.

25. The article of claim 21 wherein the second optical film comprises a prismatic structure.

26. A polymerizable resin composition comprising

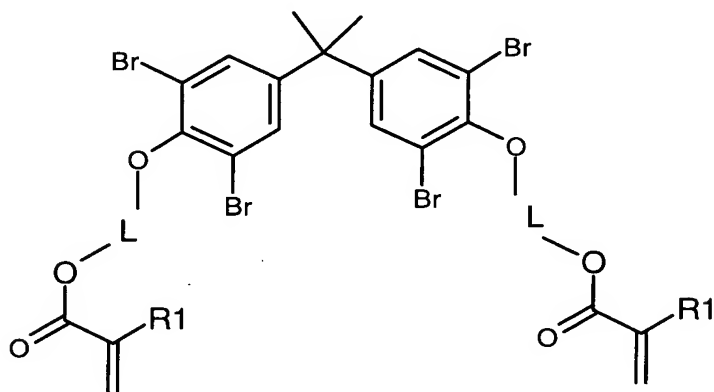
a) at least 50 wt-% of one or more first monomers selected from the group consisting of:

i) a monomer comprising a major portion having the structure



wherein R1 is independently hydrogen or methyl; and

ii) a monomer having a major portion having the structure



wherein R1 is independently hydrogen or methyl, and

L is a linking group independently selected from

linear C₂-C₁₂ alkyl groups,

branched C₂-C₁₂ alkyl groups, and

-CH₂CH(OH)CH₂-;

and mixtures thereof; and

b) a crosslinking agent comprising at least three (meth)acrylate functional groups.

27. An optical material comprising the reaction product of claim 26.

28. The optical material of claim 26 wherein the material is a film.

29. The optical material of claim 26 wherein the film comprises a microstructured surface.

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